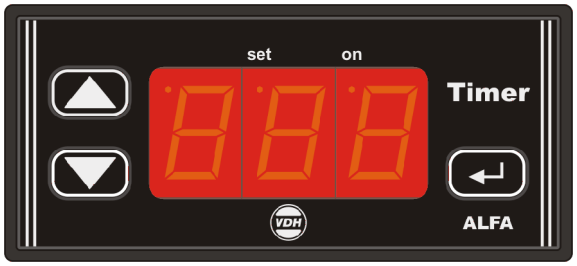
User manual
ALFA 803 and ALFANET 803
On delay Timer-unit



VDH doc. 080419 **Versie: v1.0** **Datum: 18-03-2008**
Software: ALFA 804-Flash **File: Do080419.WPD** **Bereik: 0-999 min/sec.**

* Operation.

The **ALFA(NET) 803** is a panel mounting timer-unit, with a on-delay relay function. The on-delay time is set by the keys on the front panel. The timer-unit has a range from 0-999 minutes or seconds (P01). The timer-unit has also a contact-input for starting, stopping or waiting the unit (P02).
The **ALFA*NET* 803** is provided with a RS 485 network connection, to readout or set the unit on the PC with ALFANET software. by using a ALFANET PC-Interface.

* Installation.

On the upper side from the **ALFA(NET) 803** is shown how the power supply, relay and digital input should be connected..
After power up the **ALFA(NET) 803** a self test will be started, the timer will be resettet and the adjusted delay time will be shown on the display. As soon as the relays will be activated, the 'on' led on the display will be on. During the delay time the LED 'on' will be flashing.

* Control.

The **ALFA(NET) 803** Timer-unit can by controlled by three pushbuttons on the front. These keys are:

[↵] SET - view / change setting.
[▲] UP - increase setting.
[▼] DOWN - decrease setting.

* Changing current delay time.

Push the **SET** key, the LED 'set' starts blinking. Release the **SET** key. Now push the **SET** key again and together with the **UP** or **DOWN** keys the current on-delay time can by changed. A few seconds after releasing the keys the timer-unit returns to it's normal operation, the LED 'set' switches off.

* Start, stop and waiting from the delay timer.

Push the **UP** key to start the timer, the LED 'on' flashes. The relay will not be activated. During the on-delay time the timer unit can be set in a waiting mode by pressing the **DOWN** key. The 'on' will switch off and the remaining time will be shown on the display.
To continue the on-delay timer, push the **UP** key. As in the other hand the **DOWN** key is pressed again (second time), than the on-delay timer is stopped, the display shows the adjusted delay time and the 'on' led will schwitch off.
The relay will be activated as soon as the delay time is passed.

* Adjusting internal parameters.

By pushing the **DOWN** key for more then 10 seconds, you enter the 'internal programming menu'. In the left display the upper and lower segments are blinking. With the **UP** and **DOWN** keys the required parameter can be selected (see parameter table).
If the required parameter is selected, the value can by read-out by pushing the **SET** key. By pushing simultaneously the **SET** key and the **UP** or **DOWN** key the parameter value can be changed.
If no key is pushed for 20 seconds, the **ALFA(NET) 803** will return to it's normal operation and the changes are saved.

* Internal parameters.

Para-meter	Description Parameter	Range	Default value
01	Unit of time	0 = minutes 1 = seconds	0
02	Contact-input mode: 0 = Not active 1 = Start only at closed input (pulscontact). 2 = Stop only at closed input (pulscontact). 3 = Start and wait at closed input (puls contact). 4 = Start and stop at closed input (puls contact). 5 = Wait as long as the input is closed. 6 = Start at closed input and stop as the time is passed or the input opens.	0...5	0
03	Wait mode: 0 = Relays off during wait mode 1 = Relays on during de wait mode	0...1	0
04	Display function: 0 = Display shows the adjusted time if the timer is not running. 1 = Display is off if the timer is not running.	0...1	0
90 95 96 97 98 99	Network number (only at network version.) Software version Production year Production week Serial number (x 1000) Serial number (units)	1...250 - 00...99 1...52 0...250 0...999	1 - - - - -

P.S. If the timer works in minutes (P01= 0) than the display shows the seconds during the last minute of the delay time. From the first digit only the bottom segment is on and the other digits shows the remaining seconds.

* Error messages.

In the display of the **ALFA(NET) 803** the following error messages can appear:

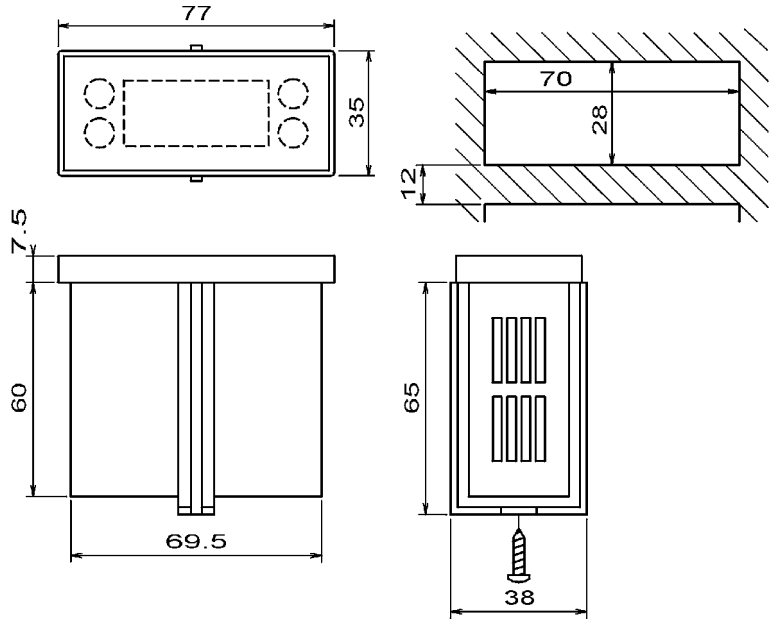
EE - Setting are lost.
Solution: Reprogram the settings.

* Technical details.

Type	:ALFA 803 On-delay Timer-unit or ALFANET 803 On-delay Timer-unit with network
Range	:0-999 min/sec
Supply	:230 Vac (24Vdc or 12Vdc on request)
Relay	:SPDT 250V/16A(C-NO), 8A(C-NC) (cos phi=1)
Input	:Potential free input contact.
Communication	:RS 485-network, only at ALFANET 802. (3-wire shielded cable: A, B and Gnd)
Control	:Thru pushbuttons on front.
Front	:Polycarbonate IP65
Dimensions	:35 x 77 x 71,5mm (hwd)
Panel cutout	:29 x 71mm (hw)

- Provided with memory protection during power failure.
- Connection with screw terminals on thebackside.
- Equipped with self test function.
- Special versions are available upon request.

* Dimensions.



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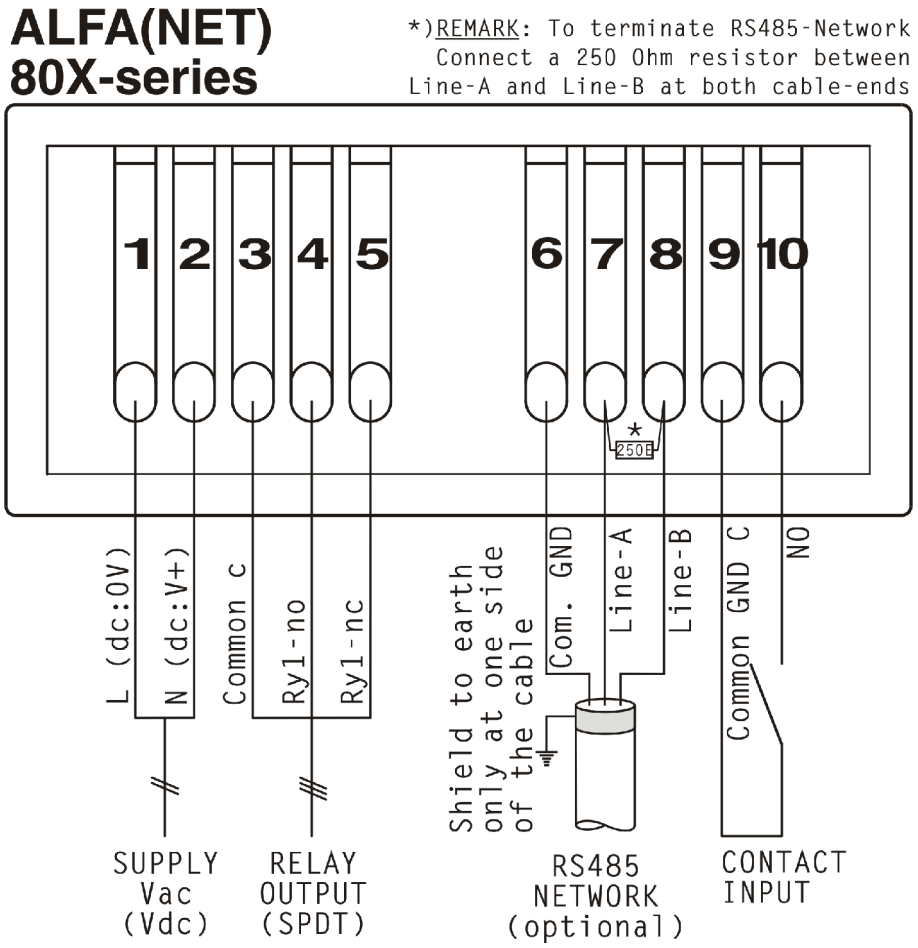
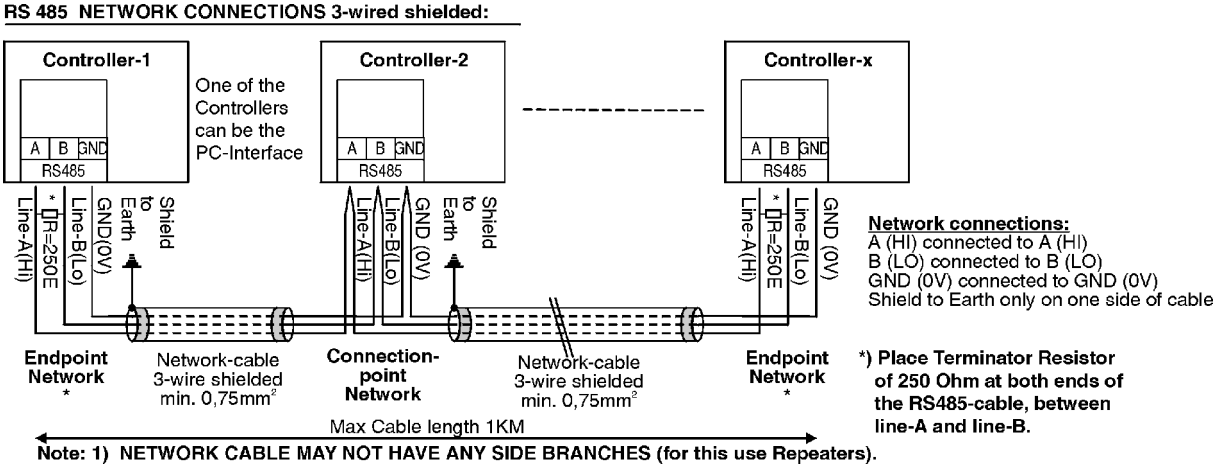
* Connections.



* Alfanet network connections.


RS 485 NETWORK CONNECTIONS 3-wired shielded:
Controller-1
Controller-2
Controller-x
A B GND
RS485
One of the Controllers can be the PC-Interface
Line-A(Hi)
* R=250E
Line-B(Lo)
GND(0V)
Shield to Earth
GND (0V)
Network connections:
A (HI) connected to A (HI)
B (LO) connected to B (LO)
GND (0V) connected to GND (0V)
Shield to Earth only on one side of cable
Endpoint Network *
Network-cable 3-wire shielded min. 0,75mm²
Connection-point Network
*) Place Terminator Resistor of 250 Ohm at both ends of the RS485-cable, between line-A and line-B.
Max Cable length 1KM
Note: 1) NETWORK CABLE MAY NOT HAVE ANY SIDE BRANCHES (for this use Repeaters).